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(54) Title: A DEVICE FOR PERPENDICULAR STRATIFICATION OF PLANARY FIBROUS SHAPES

(57) Abstract

A device for perpendicular stratification of planary fibrous shapes, above all of fibrous web, comprising two synchronously moving elements, connected with the driving mechanism according to the invention consists in that the reciprocating moving elements (1, 2) are connected with their driving mechanism (3) indirectly by the intermediary of at least one robust shaft (4) rigidly fitted in bearings in a rigid framework of the machine, while one element (1) is connected with the shaft (4) rigidly or over flexible joints (6), and a second element (2) is coupled by means of flexible joints (7) with the same shaft or with another shaft. The driving mechanism (3) can consist of one driving shaft (8) with two crank assemblies (9) arranged with a phase shift to each other. The flexible joints (6 and 7) consist of flat steel springs with a width-to-thickness ratio more than 10.

